Philips
LCD monitor

19"
SXGA

190X7FB

design and performance count!

The Philips 190X5 combines LightFrame™ Digital Reality for the multimedia adventure with cool, innovative cutting-edge design.

Outstanding front of screen performance
- Empowered for Windows Vista
- SmartImage Lite for an enhanced LCD viewing experience
- Optimize response time for different viewing requirements
- SmartContrast: Optimized contrast for visual clarity
- Fast response time up to 2ms
- ISO 13406-2 Class I compliant dot-defect-free display
- DVI-D input and HDCP support

Design that complements any interior
- Ultra-modern SmartTouch controls
- Innovative, cutting-edge design makes a lifestyle statement!

Great convenience
- USB port for convenient peripheral connections
- Enjoy multimedia experience from built-in speakers
- Embedded power supply eliminates external power adaptors

PHILIPS
sense and simplicity

LCD monitor
19" SXGA

190X7FB/00

Specifications

Picture / Display
- LCD panel type: 1280 x 1024 pixels, Anti glare polarizer, RGB vertical stripe
- Panel size: 19"/ 48 cm
- Effective viewing area: 376.3 x 301.1 mm
- Pixel pitch: 0.294 x 0.294 mm
- Brightness (nits): 300 nit
- Contrast ratio (typical): 800:1
- SmartContrast ratio (dynamic): 3500:1
- Display colours: 16.7 M
- Viewing angle: 160° (H) / 160° (V), @ C/R > 10
- Response time (typical): Grey to Grey 2 ms
- Maximum resolution: 1280 x 1024 @ 75 Hz
- Recommended resolution: 1280 x 1024 @ 60 Hz
- Video dot rate: 140 MHz
- Horizontal scanning frequency: 30 - 83 kHz
- Vertical scanning frequency: 56 - 76 Hz
- Picture enhancement: SmartImage Lite
- sRGB

Connectivity
- Audio output: Stereo Audio (3.5 mm jack) 1x
- Signal input: Analogue (VGA), DVI-D, PC audio in
- USB: 1 x USB 2.0
- Video sync input signal: Composite Sync, Separate sync, Sync on green

Convenience
- Built-in audio: 3 W RMS x 2 stereo speakers
- Convenience enhancements: On screen display, SmartControl, Stand-alone audio
- Monitor controls: Auto, Brightness Control (Up/Down), Menu (OK), Power on / off, SmartImage Lite, Volume control (Left/Right)
- OSD languages: English, French, German, Italian, Russian, Spanish
- Other convenience: Kensington lock compatible
- Plug & Play compatibility: DDC/CI, sRGB, Windows 98/ME/2000/XP
- Regulatory approvals: CE Mark, EMC, Energy Star, FCC Class B, SEMKO, MPRII, TÜV/GS, TÜV Ergo, UL/cUL
- Tilt: -5° to 25°

Accessories
- Included accessories: AC power cord, Audio cable, DVI-D cable, USB cable, VGA cable
- User manual

Dimensions
- Box dimensions (W x H x D): 477 x 150 x 498 mm
- Box dimensions in inch (W x H x D): 18.8 x 5.9 x 19.6 inch
- Set dimensions with stand (W x H x D): 444 x 436 x 181 mm
- Set dimensions with stand in inch (W x H x D): 17.5 x 17.2 x 7.1 inch
- MTBF: 50,000 hrs
- Relative humidity: 20% - 80 %
- Temperature range (operation): 0°C to 35°C
- Temperature range (storage): -20°C to 60° C
- Product weight (+stand): 7.2 kg
- Product weight (+stand) (lbs): 15:9 lb
- Weight incl. packaging: 8.5 kg
- Weight incl. packaging (lbs): 18.7

Power
- Complies with: Energy Star
- Consumption: 36 W (Typical)
- Off Mode: < 1 W
- Power LED indicator: Operation - Green, Standby / sleep - Amber
- Power supply: Built in, 100-240VAC, 50/60Hz

Product highlights

Windows Vista ready
Philips Vista-ready monitors are empowered for vibrant, exciting display of this new, visually sophisticated and demanding Windows operating system, designed to enhance your entertainment experience, make you more productive and help you control your computing experience at home and in the office. Viewing, finding and organizing information for work or play is made quick, efficient and easy.

SmartImage Lite
SmartImage Lite is an exclusive, leading edge Philips technology that analyzes the content displayed on your screen. Based on a scenario you select, SmartImage Lite dynamically enhances the contrast, colour saturation and sharpness of images and videos for ultimate display performance - all in real time with the press on a single button.

SmartResponse
SmartResponse is exclusive Philips technology that adjusts response time to application requirements, delivering faster response times for gaming and videos or better colour saturation for viewing photos and static images.

SmartContrast
SmartContrast is Philips technology that analyzes the contents you are displaying, automatically adjusting colours and controlling backlight intensity to dynamically enhance contrast for the best digital images and optimum contrast for more entertainment fun when viewing videos or playing games where dark hues are displayed. When you select the Economy mode, contrast is adjusted and backlighting fine-tuned for just-right display of everyday office applications and lower power consumption. SmartContrast monitors can deliver a contrast ration of up to 3000:1, the highest available today.

2ms GtG response time
GtG response time is the average time that it takes for a pixel to go from one arbitrary position to another, which is the average time of transition between several sets of random colour levels. Faster is better: Lower response time means faster transitions and, therefore, results in fewer visible image artefacts in the display of fast moving images. GtG response time is an important way to measure display quality of multimedia content like movies, videos and games.

PerfectPanel™
Bright dots and dark dots are defects in a LCD panel. While some manufacturers still consider bright and dark defects in a LCD panel an inevitable part of the manufacturing process, Philips doesn't. Philips monitors, compliant with ISO 13406-2 Class I standard, are produced with zero tolerance for LCD panel defects and backed by Philips PerfectPanel™ globally valid warranty providing repair or replacement of any LCD monitors that display even a single defective bright or dark dot.

HDCP ready
High-Bandwidth Digital Content Protection (HDCP) is a copyright protection system that is incorporated into the DVI connector. It helps stop unauthorized duplication of copyrighted content. HDCP allows you to play protected content media such as movies and concerts. It checks the signal to prevent piracy, allowing only legal copies of content to display.

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